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71 Applicant: **AUTOMATION INDUSTRIES, INC.**
19 Old Kings Highway
Darien Connecticut 06820(US)

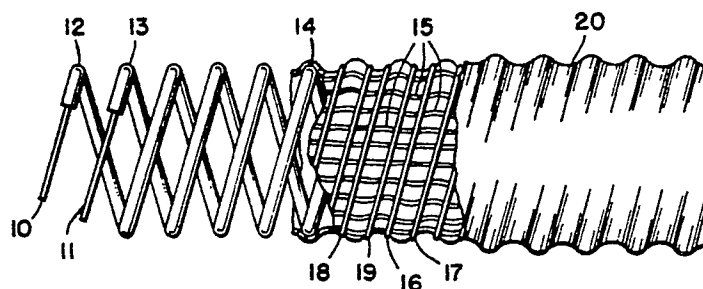
72 Inventor: **Choiniere, Alcide W.**
304 Hill Crest Drive
Abbeville South Carolina 29620(US)
Inventor: **Dunn, George T., Jr.**
Route 5 Box 125
Abbeville South Carolina 29620(US)

74 Representative: **West, Alan Harry et al**
R.G.C. Jenkins & Co. 26 Caxton Street
London SW1H 0RJ(GB)

54 **A helically fabricated flexible hose.**

57 A helically fabricated flexible hose having at least two parallel helical support members (10, 11; 30, 31 and 32), inner and outer plastics strips (11; 30; 20; 44) wrapped helically about the support members, and at least one pair of helical electrical conductors (16, 17, 18, 19; 38, 39, 40, 41, 42, 43) disposed on opposite sides of one of the support members and slidably positioned between the inner and outer plastics strips. Each of the helical electrical conductors comprises a conductive element and a plastics dielectric coating disposed around the conductive element. The plastics dielectric coatings are not bonded to the inner and outer plastics strips so that they may slide between them.

FIG. 1.





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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|--|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.4) |
| D,A | US-A-4 224 463 (KOERBER et al.) * abstract; figures; column 3, lines 22-36; claims 1-4 * --- | 1,2,10-12 | F 16 L 11/11 A 47 L 9/24 |
| A | US-A-3 300 571 (DOWNEY et al.) * claims; figures 2,3; column 4, lines 18-56 * --- | 1-9 | |
| A | DE-A-2 827 649 (AUTOMATION INDUSTRIES) * claims 1-8,18; figure 2 * --- | 1,10,12 | |
| A | CH-A- 176 705 (LOEWENSTEIN et al.) ----- | | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.4) |
| | | | F 16 L 11/00 A 47 L 9/00 |
| The present search report has been drawn up for all claims | | | |
| Place of search BERLIN | | Date of completion of the search 10-04-1989 | Examiner SCHAEFFLER C.A.A. |
| CATEGORY OF CITED DOCUMENTS | | | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |